```
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         (c) 1998 Inst for Sci Info
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         (c) 2002 The Gale Group
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         (c)2001 ProQuest Info&Learning
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         (c) 2004 ProQuest Info&Learning
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         (c) 2004 Pira International

Set     Items   Description
S1      17559   (SEVERAL OR PLURAL? OR MANY OR MULTI OR MULTIPLE)(3N)(COLO-
             R? OR COLOUR?)
S2       5065   S1 AND (IMAGE?? OR PICTURE?? OR GRAPHIC?)
S3      20620   (SINGLE OR ONE)(3N)(COLOR? OR COLOUR?)
S4      85114   BLACK AND WHITE
S5       4020   S1 AND (TRANSFORM? OR CONVERT? OR CONVERS? OR ADJUST? OR A-
             LTER? OR MODIF? OR CHANG?)
S6       8364   SCREEN?(3N)TOOL?
S7       2184   TEXTURE AND (HUE OR SATURATION)
S8        327   (CORRESPOND? OR MATCH? OR REPRESENT?) AND S7
S9       1073   S1 AND SPACE
S10        27   WEIGH?(3N)BLEND? AND SCREEN?
S11     22001   AU=(LIN, Y? OR SHIAU, J? OR LIN Y? OR SHIAU J?)
S12       422   S5 AND (S3 OR S4)
S13         0   S12 AND S6
S14         2   S12 AND S7
S15         2   RD S14 (unique items)
S16         0   S12 AND S10
S17       151   S9 AND (S3 OR S4)
S18         0   S17 AND S6
S19         0   S17 AND S8
S20         0   S11 AND S17
S21       151   S17 NOT S14
S22        43   S21 AND PY=2001:2004
S23       108   S21 NOT S22
S24         0   S23 AND WEIGH? AND BLEND?
S25         0   S23 AND SCREEN? AND TOOL?
S26         0   S23 AND S7
S27         1   S1 AND S6
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only selective titles printed

S28	1	S8 AND S9
S29	1	S28 NOT (S27 OR S23 OR S14)

15/3,K/1 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

03676573 E.I. No: EIP93071035314
Title: Soil color standards and terms for field use - history of their development
Author: Simonson, Roy W.
Conference Title: Proceedings of a Symposium on Soil Color
Conference Location: San Antonio, TX, USA Conference Date: 19901021-19901026
E.I. Conference No.: 18760
Source: SSSA Special Publication (Soil Science Society of America) n 31 1993. Publ by Soil Science Soc of America, Madison, WI, USA. p 1-20
Publication Year: 1993
CODEN: SSAPAV ISSN: 0081-1904 ISBN: 0-89118-802-9
Language: English

...Abstract: the colors of dry soil samples in the laboratory and express those in proportions of **white** , **black** , yellow, and red. Somewhat comparable efforts were underway in the former Soviet Union. Progress seems ...

...of the present in many ways but are smaller and lack the Munsell notations for **hue** , chroma, and value. Instead, each chip is assigned a name from the ISCC-NBS system...

...major effort to improve standards and terminology for properties of soil horizons such as color, **texture** , structure, and consistence. The effort lasted about 5 yr. Early in that period, a decision was made to use constant **hue** charts showing chromas and values of the Munsell system with their notations. Rather than the ISCC-NBS names, folk terms were adopted for soil **colors** . **Several** years were required to reach agreement on names. The Munsell color charts and the new...

...was recommended by the International Society of Soil Science about 10 yr later. A few **modifications** have been made of some charts since then and **one** chart for **colors** of wet soils (?Gley' chart) has been added. The intermittent efforts that extended over a...
Identifiers: Soil color standards; United States Department of Agriculture (USDA); Bureau of Soils; Constant **hue** charts; International Society of Soil Science

15/3,K/2 (Item 1 from file: 94)
DIALOG(R)File 94:JICST-EPlus

05673824 JICST ACCESSION NUMBER: 04A0060499 FILE SEGMENT: JICST-E
Color impression of colored texture **made of identical unique hues.**
SUNAGA SHOJI (1); YAMASHITA YUKIO (1)
(1) Kyushu Univ., JPN
Nippon Shikisai Gakkaishi(Journal of the Color Science Association of Japan), 2003, VOL.27,NO.4, PAGE.298-305, FIG.6, REF.6
JOURNAL NUMBER: X0441AAC ISSN NO: 0389-9357
UNIVERSAL DECIMAL CLASSIFICATION: 535.6 591.185.6.05+591.484
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Short Communication
MEDIA TYPE: Printed Publication

Color impression of colored texture **made of identical unique hues.**

ABSTRACT: When we see a **texture** pattern consisting of many small patches made of similar colors, we can perceive a color impression as a whole from the **texture** pattern. It is not clear how the whole color impression is determined. The purpose of the study was to investigate the mechanism underlying the determination of the whole **color** impression from a **multi - colored texture** pattern. We examined whether the whole color impression was determined by the colorimetrical average of the **texture** elements, or by the color attributes, such as **hue** , **saturation** , and lightness, of the elements. When the colored elements of the **texture** have the identical unique **hue** with different **saturation** , the loci of the matched colors may be located in the segment by which the loci of two colors of **texture** are connected,if it is determined by the colorimetrical average. On the other hand, if the matched color may be still located on the unique **hue** loci that are known to bend in the chromaticity diagram, it means that the whole impression of color may be determined by the color attributes of the elements. **Texture** patterns (square, 5.0*5.0deg) consisting of random-dot elements with two colors, an identical unique **hue** with different **saturation** , were presented. The square dot size was 2.3min. A uniform color matching field of the same size as the **texture** was presented beside the **texture** pattern with a gap of 3deg. Observer's task was to respond the whole color impression to the colored **texture** by **adjusting** the **single color** of the **color** matching field. The unique **hue** loci with different **saturation** were measured for each observer previously. The matched colors still had the unique **hue** and were not located on the line connecting the loci of the two colors of the **texture** under the unique red condition. The whole color impression of the scene is determined by...

...DESCRIPTORS: **saturation** (color

?

23/3,K/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC

6677038 INSPEC Abstract Number: A2000-18-0760D-011, B2000-09-7260D-012, C2000-09-5540D-014
Title: Color spaces and image quality
Author(s): McCann, J.J.; Stokes, M.
Author Affiliation: McCann Imaging, Belmont, MA, USA
Conference Title: Proceedings. IS&T's PICS Conference. 51st Annual Conference p.140-4
Publisher: Soc. Imaging Sci. & Technol, Springfield, VA, USA
Publication Date: 1998 Country of Publication: USA xvi+432 pp.
ISBN: 0 89208 211 9 Material Identity Number: XX-1998-01389
Conference Title: Proceedings of Conference of the Society for Imaging Science and Technology
Conference Date: 17-20 May 1998 Conference Location: Portland, OR, USA
Language: English
Subfile: A B C

...Abstract: two different samples, we can use the straight-line distance between their positions in three- **space** as a measure of the color difference or the **color** error. There are **many** different spaces, each established with different criteria. Which of the **many** **color** spaces is the best? Which mimics human color vision the best? If we want to use a color **space** to quantify color appearance, the answer is easy. We must use an isotropic **color** **space** ; that is, **one** that has the same appearance increments in all directions. Throughout this **space** a unit of chroma, a unit of lightness and a unit of hue must appear...
...Identifiers: positions in three- **space** ; ...

...isotropic color **space** ;

23/3,K/3 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC

6658530 INSPEC Abstract Number: A2000-17-0760D-004
Title: Color from shape from color: a simple formalism with known light sources
Author(s): Drew, M.S.; Brill, M.H.
Author Affiliation: Sch. of Comput. Sci., Simon Fraser Univ., Burnaby, BC, Canada
Journal: Journal of the Optical Society of America A (Optics, Image Science and Vision) vol.17, no.8 p.1371-81
Publisher: Opt. Soc. America,
Publication Date: Aug. 2000 Country of Publication: USA
CODEN: JOAOD6 ISSN: 0740-3232
SICI: 0740-3232(200008)17:8L.1371:CFSF;1-P
Material Identity Number: C458-2000-007
U.S. Copyright Clearance Center Code: 0740-3232/2000/081371-11$15.00
Language: English
Subfile: A

...Abstract: taken under illumination from different directions. At best, one may dispense with the need for **multiple** images by using **colored** lights tuned to camera filters. But a less restrictive paradigm is

available that uses the orientation-from- **color** approach, wherein **multiple** broadband illuminants impinge on a surface simultaneously. In that method, colors for a Lambertian surface lie on an ellipsoid in color **space** . The method has been applied mainly to **single - color** objects, with ellipsoid quadratic-form parameters determined from a large number of pixels. However, recently...

... The simple color model can often be made to hold more exactly by transforming the **color space** into **one** corresponding to spectrally sharpened sensors, which are a matrix transform away from the actual camera ...
...Identifiers: color **space** ; ...

... **single - color** objects

23/3,K/4 (Item 4 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6620543 INSPEC Abstract Number: C2000-07-5260B-296
Title: Consideration of color segmentation to extract character areas from color document images
Author(s): Hase, H.; Yoneda, M.; Sakai, M.; Maruyama, H.
Author Affiliation: Fac. of Eng., Toyama Univ., Japan
Journal: Transactions of the Institute of Electronics, Information and Communication Engineers D-II vol.J83D-II, no.5 p.1294-304
Publisher: Inst. Electron. Inf. & Commun. Eng,
Publication Date: May 2000 Country of Publication: Japan
CODEN: DTGDE7 ISSN: 0915-1923
SICI: 0915-1923(200005)J83DII:5L.1294:CCSE;1-R
Material Identity Number: M973-2000-006
Language: Japanese
Subfile: C
Copyright 2000, IEE

Abstract: We present a new segmentation method of a **color space** to obtain **several** representative **colors** in order to extract character areas from color document images. The color documents that we...

... by offset printing. Although the characters in a color document seem to be of a **single color** , **color** distribution can be detected by measurement. Therefore, the desirable conditions to extract character areas were investigated by clustering the **color space** . However, too **many** clusters result in over-segmentation of a character color, while fewer clusters result in fusion with the background color. Therefore, we propose a simple segmentation algorithm of the color **space** based on a histogram. The point of our algorithm is to find the densest local regions in the color **space** so as not to miss character colors. By using this simple algorithm, adequate representative colors...
...Identifiers: color **space** clustering...

23/3,K/5 (Item 5 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6366172 INSPEC Abstract Number: C1999-11-6160S-007
Title: A novel vector-based approach to color image retrieval using a vector angular-based distance measure

Author(s): Androutsos, D.; Plataniotis, K.N.; Venetsanopoulos, A.N.
Author Affiliation: Dept. of Electr. & Comput. Eng., Toronto Univ., Ont., Canada
Journal: Computer Vision and Image Understanding vol.75, no.1-2 p. 46-58
Publisher: Academic Press,
Publication Date: July-Aug. 1999 Country of Publication: USA
CODEN: CVIUF4 ISSN: 1077-3142
SICI: 1077-3142(199907/08)75:1/2L.46:NVBA;1-Q
Material Identity Number: D165-1999-007
U.S. Copyright Clearance Center Code: 1077-3142/99/$30.00
Language: English
Subfile: C

...Abstract: nonlinearity, call for improved methods. We present a new scheme which implements a recursive HSV- **space** segmentation technique to identify perceptually prominent color areas. The average color vector of these extracted...

... system provides accurate retrieval results and high retrieval rate. It allows for queries based on **single** or **multiple** **colors** and, in addition, it allows for certain colors to be excluded in the query. This flexibility is due to our distance measure and the multidimensional query **space** in which the retrieval ranking of the database images Is determined, Furthermore, our scheme proves...
...Identifiers: recursive HSV- **space** segmentation...

23/3,K/6 (Item 6 from file: 2)
DIALOG(R)File 2:INSPEC

6277495 INSPEC Abstract Number: B1999-08-6135-014, C1999-08-6160S-001
Title: Detecting multi - colored **object in image by content**
Author(s): Yuehu Liu; Sumei Guo; Ozawa, S.
Author Affiliation: Dept. of Electr. Eng., Keio Univ., Yokohama, Japan
Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.3545 p.405-10
Publisher: SPIE-Int. Soc. Opt. Eng,
Publication Date: 1998 Country of Publication: USA
CODEN: PSISDG ISSN: 0277-786X
SICI: 0277-786X(1998)3545L.405:DMCO;1-2
Material Identity Number: C574-1998-281
U.S. Copyright Clearance Center Code: 0277-786X/98/$10.00
Conference Title: International Symposium on Multispectral Image Processing (ISMIP'98)
Conference Sponsor: SPIE; Huazhong Univ. Sci. & Technol.; Univ. Bordeaux; Nat. Univ. Defense Technol.; et al
Conference Date: 21-23 Oct. 1998 Conference Location: Wuhan, China
Language: English
Subfile: B C

Title: Detecting multi - colored **object in image by content**
...Abstract: a wide variety of background colors and forms. We propose a novel method of detecting **multi - colored** object in image by content. The color component and spatial relationship are two important contents...

... an image. With the color feature based on the hue histogram of the HSV

color **space** , we try to combine similar color pixels to a more homogeneous color component by adopting...

... fourth central moment. Then, we use the extended color adjacency graph (ECAG) to describe a **multi - colored** object. The ECAG consists of a set of nodes and two sets of edges. Each node represents a **single color** component of **multi - colored** object, while edges are divided into two classes: edges representing adjacency between similar color components...
Identifiers: **multi - colored** object detection...

...HSV color **space** ;

23/3,K/9 (Item 9 from file: 2)
DIALOG(R)File 2:INSPEC

6183281 INSPEC Abstract Number: B1999-04-6135-099
Title: Infrared color vision: separating objects from backgrounds
Author(s): Scribner, D.; Schuler, J.; Warren, P.; Satyshur, M.; Kruer, M.
Author Affiliation: Naval Res. Lab., Washington, DC, USA
Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.3379 p.2-13
Publisher: SPIE-Int. Soc. Opt. Eng,
Publication Date: 1998 Country of Publication: USA
CODEN: PSISDG ISSN: 0277-786X
SICI: 0277-786X(1998)3379L.2:ICVS;1-K
Material Identity Number: C574-1998-236
U.S. Copyright Clearance Center Code: 0277-786X/98/$10.00
Conference Title: Infrared Detectors and Focal Plane Arrays V
Conference Sponsor: SPIE
Conference Date: 14-17 April 1998 Conference Location: Orlando, FL, USA
Language: English
Subfile: B

Abstract: The concept of **multi** -band infrared **color** vision is discussed in terms of combining two or more bands of infrared imagery into a **single** composite **color** image. This work is motivated by emerging new technologies in which two or more infrared...

... targets in clutter. Methods are discussed for mapping raw image data into an appropriate color **space** and then processing it to achieve an intuitively meaningful color display for a human viewer...
...Identifiers: **single** composite **color** image

23/3,K/11 (Item 11 from file: 2)
DIALOG(R)File 2:INSPEC

5911634 INSPEC Abstract Number: B9806-7260-108
Title: Effective utilization of perceptive color space **for** multi **-spectral image display**
Author(s): Li, W.; Lin, X.; Tang, S.
Author Affiliation: Dept. of Opt. Eng., Beijing Inst. of Technol., China
Conference Title: Proceedings of Fifteenth International Display Research Conference. Asia Display '95 p.973-4
Publisher: Inst. Telev. Eng. Japan & SID, Tokyo, Japan & Santa Ana, CA,

USA
Publication Date: 1995 Country of Publication: USA xxvi+981 pp.
Material Identity Number: XX95-01936
Conference Title: Proceedings of 15th International Display Research Conference
Conference Sponsor: Inst. Telev. Eng. Japan; SID
Conference Date: 16-18 Oct. 1995 Conference Location: Hamamatsu, Japan
Language: English
Subfile: B

Title: Effective utilization of perceptive color space **for** multi **-spectral image display**
...Abstract: can be perceived by human color vision from color image displays than monochromatic ones. Pseudo- **coloring** and synthesizing **multi** -spectral image is effective method of remote sensing image process. However, the device-dependent color **space** RGB is ineffective for visual analysis. We are not able to predict directly the result...

...B value. Therefore, we employed perceptive parameters hue, lightness and saturation in device-independent color **space** as pseudo- **color** scale for coding **single** band of multi-spectral images and display synthetic color image for effective visual interpretation.
Identifiers: perceptive color **space** ;

23/3,K/15 (Item 15 from file: 2)
DIALOG(R)File 2:INSPEC

5641506 INSPEC Abstract Number: B9709-6140C-049, C9709-5260B-025
Title: Extraction of specular reflection using multiple color **and range images**
Author(s): Otsuki, M.; Sato, Y.
Author Affiliation: Dept. of Electr. & Comput. Eng., Nagoya Univ., Japan
Journal: Transactions of the Institute of Electronics, Information and Communication Engineers D-II vol.J80D-II, no.6 p.1352-9
Publisher: Inst. Electron. Inf. & Commun. Eng,
Publication Date: June 1997 Country of Publication: Japan
CODEN: DTGDE7 ISSN: 0915-1923
SICI: 0915-1923(199706)J80DII:6L.1352:ESRU;1-W
Material Identity Number: M973-97007
Language: Japanese
Subfile: B C

Title: Extraction of specular reflection using multiple color **and range images**
Abstract: A method for extracting specular reflection from **multiple color** images is described. **One** of the features of this method is that range images measured from same viewpoints with...
... applied. In this model, local color distribution of an image is linear in RGB color **space** . When specular reflection is observed, the inclination of the linear distribution becomes parallel with a...

... A special merit of this method is that the specular and shading are extracted from **multiple color** images illuminated from the front. Therefore, no shadows are measured. Thus, this image is suitable...
...Identifiers: **multi - color** images...

...RGB color **space** ;

23/3,K/16 (Item 16 from file: 2)
DIALOG(R)File 2:INSPEC

4870098 INSPEC Abstract Number: A9505-9850-012
Title: Generating colors and k corrections from existing catalog data
Author(s): Frei, Z.; Gunn, J.E.
Author Affiliation: Dept. of Astrophys., Princeton Univ., NJ, USA
Journal: Astronomical Journal vol.108, no.4 p.1476-85
Publication Date: Oct. 1994 Country of Publication: USA
CODEN: ANJOAA ISSN: 0004-6256
U.S. Copyright Clearance Center Code: 0004-6256/94/108(4)/1476/10/$0.90
Language: English
Subfile: A

Abstract: Presents **color** - **color** relations on **several** systems as functions of redshift calculated using the galaxy energy distributions of Coleman et al...

... and B k corrections for each galaxy type. To the extent that galaxies represent a **one** -parameter sequence in **color** **space** , a redshift and color in any pair of bands in any system can be used...

23/3,K/19 (Item 19 from file: 2)
DIALOG(R)File 2:INSPEC

4694459 INSPEC Abstract Number: C9408-5260B-007
Title: Robust specularity detection from a single multi **-illuminant** color **image**
Author(s): Drew, M.S.
Author Affiliation: Sch. of Comput. Sci., Simon Fraser Univ., Burnaby, BC, Canada
Journal: CVGIP: Image Understanding vol.59, no.3 p.320-7
Publication Date: May 1994 Country of Publication: USA
CODEN: CIUNEJ ISSN: 1049-9660
U.S. Copyright Clearance Center Code: 1049-9660/94/$6.00
Language: English
Subfile: C

Title: Robust specularity detection from a single multi **-illuminant** color **image**

...Abstract: answer this question and also recover surface orientation in non-specular regions using only a **single** **color** image of the surface taken under a set of illuminants whose positions, strengths, and spectral ...

... measured RGB color. Linearity means that the Gaussian sphere is transformed into an ellipsoid in **color** **space** , and **one** can solve for the ellipsoid using least squares; surface normals are recovered only up to ...

...the underlying color ellipsoid, then a robust method can still find that surface in RGB **space** . A least-median-of-squares method is used to recover shape and detect specularities at...

...Identifiers: **single** **multi** -illuminant **color** image...

... **single** **color** image...

...color **space** ;

23/3,K/20 **(Item 20 from file: 2)**
DIALOG(R)File 2:INSPEC

4641780 INSPEC Abstract Number: B9405-6140C-172, C9405-5260B-154
Title: Generic architecture for color data interchange
Author(s): Donovan, W.J.; Maier, T.O.
Author Affiliation: Polaroid Corp., Cambridge, MA, USA
p.139-41
Publisher: Soc. Imaging Sci. & Technol, Springfield, VA, USA
Publication Date: 1993 Country of Publication: USA xxiv+420 pp.
ISBN: 0 89208 171 6
Conference Title: Proceedings of IS&T 46th Annual Conference
Conference Sponsor: Polaroid
Conference Date: 9-14 May 1993 Conference Location: Cambridge, MA, USA
Language: English
Subfile: B C

...Abstract: application areas, the GACDI standard should provide a way of describing virtually any type of **color** data, and **many** **color** transforms, such as those used to get from **one** **color** **space** to another. These representations are called Color Data Representation Objects (CDROs) and Color Data Transform...
...Identifiers: color **space** ;

23/3,K/21 **(Item 21 from file: 2)**
DIALOG(R)File 2:INSPEC

4519699 INSPEC Abstract Number: A9324-6150E-001
Title: Simple and multiple color **antisymmetry** space **groups**
Author(s): Jablan, S.V.; Palistrant, A.F.
Author Affiliation: Moldova State Univ., Chisinau, Moldova
Journal: Kristallografiya vol.38, no.2 p.4-11
Publication Date: March-April 1993 Country of Publication: Russia
CODEN: KRISAJ ISSN: 0023-4761
Translated in: Crystallography Reports vol.38, no.2 p.137-41
Publication Date: March-April 1993 Country of Publication: USA
CODEN: CYSTE3 ISSN: 1063-7745
U.S. Copyright Clearance Center Code: 1063-7745/93/020137-05$10.00
Language: English
Subfile: A

Title: Simple and multiple color **antisymmetry** space **groups**
...Abstract: a different type of color antisymmetry are presented. The complete derivation of the resulting minor **space** groups of both simple and **multiple** **color** antisymmetry is reviewed for all nontrivial assignments to points in a three-dimensional Euclid **space** colored by p **colors** of **one** or **several** signs '+' or '-'....
Descriptors: **space** groups
Identifiers: color antisymmetry **space** groups...

...minor **space** groups...

...three-dimensional Euclid **space**

23/3,K/22 (Item 22 from file: 2)
DIALOG(R)File 2:INSPEC

4403905 INSPEC Abstract Number: A9312-0760D-001
Title: Colour-difference measurement: the sensitivity of various instruments compared
Author(s): Raggi, A.; Barbiroli, G.
Author Affiliation: Istituto di Merceologia Bologna Univ., Italy
Journal: Color Research & Application vol.18, no.1 p.11-27
Publication Date: Feb. 1993 Country of Publication: USA
CODEN: CREADU ISSN: 0361-2317
U.S. Copyright Clearance Center Code: 0361-2317/93/010011-17
Language: English
Subfile: A

...Abstract: increasing importance of color quality control in various branches of industry, over the last decades **several colour** -measuring instruments have been developed, each one with its own design features; the lack of...

... with the aim of analyzing their correlation and dispersion. In order to cover different colour- **space** regions, measurements were taken on test panels paints with four saturated basic hue (red, yellow, green, and blue) acrylic products gradually modified by adding **white** or **black** paint. Basic statistical analyses made on colour-difference values (Delta E/sub ab/*, Delta L...
...Identifiers: colour- **space** regions...

23/3,K/24 (Item 24 from file: 2)
DIALOG(R)File 2:INSPEC

02933679 INSPEC Abstract Number: A87090534, B87048029
Title: Digital color image restoration
Author(s): Westerink, P.H.; Biemond, J.; de Bruin, P.H.L.
Author Affiliation: Dept. of Electr. Eng., Delft Univ. of Technol., Netherlands
Conference Title: Signal Processing III: Theories and Applications. Proceedings of EUSIPCO-86: Third European Signal Processing Conference p.761-4 vol.2
Editor(s): Young, I.T.; Duin, R.P.W.; Biemond, J.; Gerbrands, J.J.
Publisher: North-Holland, Amsterdam, Netherlands
Publication Date: 1986 Country of Publication: Netherlands 2 vol. xxvi+1436 pp.
ISBN: 0 444 70085 4
Conference Date: 2-5 Sept. 1986 Conference Location: The Hague, Netherlands
Language: English
Subfile: A B

...Abstract: blur are investigated: uniform motion blur and defocusing blur, which is an example of a **space** -variant wavelength-dependent type of blur. The restoration is performed in the frequency domain by...

... constrained least-squares filter. In order to measure the filter performance, two performance measures for **color** images are introduced, **one** of which is based on the properties of the human visual system. Finally, **several** experimental results on **color** images are given. A comparison is made between reconstruction in the RGB or YIQ domain...
...Identifiers: **space** -variant wavelength-dependent

23/3,K/33 (Item 5 from file: 6)
DIALOG(R)File 6:NTIS

1384375 NTIS Accession Number: N88-23905/8
Multi - Color **Pyrometer for Materials Processing in** Space
Frish, M. B. ; Spencer, M. N. ; Wolk, N. E. ; Werner, J. S. ; Miranda, H. A.
Physical Sciences, Inc., Andover, MA.
Corp. Source Codes: 076666000; PQ626284
Sponsor: National Aeronautics and Space Administration, Washington, DC.
Mar 88 29p
Languages: English
Journal Announcement: GRAI8820; STAR2617
In NASA, Washington, D.C. Noncontact Temperature Measurement p 145-172.
NTIS Prices: (Order as N88-23895/1, PC A19/MF A01)

Multi - Color **Pyrometer for Materials Processing in** Space
... a spacecraft and for use in the control of thermal processes for manufacturing materials in **space** . The pyrometer actually uses only **one** **color** at a time, and is relatively insensitive to uncertainties in the heated object's emissivity...
Descriptors: Radiation pyrometers; * **Space** processing; *Temperature control; *Temperature measurement; Accuracy; Calibrating; Lenses; Optical equipment

23/3,K/34 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

06763586 E.I. No: EIP04128069026
Title: Color Spaces and Image Quality
Author: McCann, John J.; Stokes, Michael
Corporate Source: McCann Imaging, Belmont, MA 02178, United States
Conference Title: Final Program and Proceedings: IS and T's 51st Annual Conference
Conference Location: Portland, OR, United States Conference Date: 19980517-19980520
E.I. Conference No.: 62398
Source: Society for Imaging Science and Technology: Image Processing, Image Quality, Image Capture, Systems Conference 1998.
Publication Year: 1998
Language: English

...Abstract: two different samples, we can use the straight-line distance between their positions in three- **space** as a measure of the color difference or the **color** error. There are **many** different spaces, each established with different criteria. Which of the **many** color spaces is the best? Which mimics human color vision the best? If we want to use a color **space** to quantify color appearance, the answer is easy. We must use an isotropic **color** **space** ; that is, **one** that has the same

appearance increments in all directions. Throughout this **space** a unit of chroma, a unit of lightness and a unit of hue must appear...

23/3,K/36 (Item 3 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

06475696 E.I. No: EIP03317577853
Title: Color from shape from color: A simple formalism with known light sources
Author: Drew, Mark S.; Brill, Michael H.
Corporate Source: School of Computing Science Simon Fraser University, Vancouver, BC, V5A 1S6, Canada
Source: Journal of the Optical Society of America A: Optics and Image Science, and Vision v 17 n 8 August 2000. p 1371-1381
Publication Year: 2000
CODEN: JOAOD6 ISSN: 0740-3232
Language: English

...Abstract: taken under illumination from different directions. At best, one may dispense with the need for **multiple** images by using **colored** lights tuned to camera filters. But a less restrictive paradigm is available that uses the orientation-from- **color** approach, wherein **multiple** broadband illuminants impinge on . a surface simultaneously. In that method, colors for a Lambertian surface lie on an ellipsoid in color **space** . The method has been applied mainly to **single - color** objects, with ellipsoid quadratic-form parameters determined from a large number of pixels. However, recently...
...The simple color model can often be made to hold more exactly by transforming the **color space** into **one** corresponding to spectrally sharpened sensors, which are a matrix transform away from the actual camera ...

23/3,K/39 (Item 6 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

05226911 E.I. No: EIP99020004377
Title: Detecting multi - colored **object in image by content**
Author: Liu, Yuehu; Guo, Sumei; Ozawa, Shinji
Corporate Source: Keio Univ, Yokohama-Shi, Jpn
Conference Title: Proceedings of the 1998 International Symposium on Multispectral Image Processing, ISMIP'98
Conference Location: Wuhan, China Conference Date: 19981021-19981023
E.I. Conference No.: 49744
Source: Proceedings of SPIE - The International Society for Optical Engineering v 3545 1998. SPIE, Bellingham, WA, USA. p 405-410
Publication Year: 1998
CODEN: PSISDG ISSN: 0277-786X
Language: English

Title: Detecting multi - colored **object in image by content**
...Abstract: a wide variety of background colors and forms. We propose a novel method of detecting **multi - colored** object in image by content. Color component and spatial relationship are two important contents of image. With color feature based on hue histogram of HSV color **space** , we try to combine similar color pixels to a more homogeneous color component by adopting...

...central moment. And then, we use the extended color adjacency graph (ECAG) to describe a **multi - colored** object. ECAG consists of a set of nodes and two set of edges. Each node represents a **single color** component of **multi - colored** object, while edges are divided into two classes: edges representing adjacency between similar color components...

23/3,K/40 (Item 7 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

04946781 E.I. No: EIP97093812879
Title: Soccer player recognition by pixel classification in a hybrid color space
Author: Vandenbroucke, Nicolas; Macaire, Ludovic; Postaire, Jack-Gerard
Corporate Source: Ecole des Mines de Douai, Douai, Fr
Conference Title: Algorithms for Multispectral and Hyperspectral Imagery III
Conference Location: Orlando, FL, USA Conference Date: 19970422-19970423
E.I. Conference No.: 23054
Source: Proceedings of SPIE - The International Society for Optical Engineering v 3071 1997. Society of Photo-Optical Instrumentation Engineers, Bellingham, WA, USA. p 23-33
Publication Year: 1997
CODEN: PSISDG ISSN: 0277-786X ISBN: 0-8194-2486-2
Language: English

Title: Soccer player recognition by pixel classification in a hybrid color space
...Abstract: are determined interactively. In a second step, dealing with windows containing only one player of **one** team, the **color** features which yield the best discrimination between the two teams are selected. Thanks to these...

...associated to the players of the two teams form two separated clusters into a color **space** . In fact, there are **many color** representation systems and it's interesting to evaluate the features which provide the best separation...

...most discriminating color features which define the coordinates of each pixel in an 'hybrid color **space** .' Thanks to this hybrid color representation, each pixel can be assigned to one of the...

23/3,K/41 (Item 8 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

04938076 E.I. No: EIP98024055449
Title: Universal paradigm for color management
Author: Giorgianni, Edward J.
Corporate Source: Eastman Kodak Co, Rochester, NY, USA
Conference Title: Proceedings of the 1996 4th Color Imaging Conference Color Science, Science, and Applications
Conference Location: Scottsdale, AZ, USA Conference Date: 19961119-19961122
E.I. Conference No.: 47734
Source: Proceedings of the Color Imaging Conference: Color Science, Systems, and Applications 1997. Soc Imaging Sci Technol, Springfield, VA,

USA. p 1
Publication Year: 1997
CODEN: 002418
Language: English

...Abstract: recent years, various methods have been developed for representing, encoding, and controlling colors in digital **color** -imaging systems. Although **many** of these methods have been based on the concept of `device-independent' color, none has...
...systems and applications. This paper will describe a new paradigm for digital color encoding and **color** management. This **single** - and deceptively simple - `universal' color-management paradigm encompasses the functionality of all existing color-imaging...

...make optimum use of current interchange metrics, such as the KODAK Photo YCC Color Interchange **Space** used in the Photo CD System. (Author abstract)

23/3,K/42 (Item 9 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

04454822 E.I. No: EIP96073248070
Title: Robotic sensory data fusion: a regularized color edge detection approach
Author: Salinas, R.; Richardson, C.; Abidi, M.A.; Gonzalez, R.C.; Vega, M.
Corporate Source: Univ of Tennessee, Knoxville, TN, USA
Conference Title: Proceedings of the 1995 IEEE 38th Midwest Symposium on Circuits and Systems. Part 1 (of 2)
Conference Location: Rio de Janeiro, Braz Conference Date: 19950813-19950816
E.I. Conference No.: 44989
Source: Midwest Symposium on Circuits and Systems v 1 1995. IEEE, Piscataway, NJ, USA,95CB35853. p 149-153
Publication Year: 1995
CODEN: MSCSDL
Language: English

...Abstract: well as two-dimensional regularization, (2) extension of the standard Tikhonov regularization method by allowing **space** -variant regularization parameters, and (3) further extension of the regularization paradigm by adding multiple data...
Identifiers: Tikhonov regularization paradigm; **Multiple** data sources; **Color** edge detection; **One** dimensional; Two dimensional
? t23/3,k/44,46,52,57,70,72,74,75,82,83,84,88,98,103,104

23/3,K/44 (Item 11 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

03965553 E.I. No: EIP94101433437
Title: Robust specularity detection from a single multi **-illuminant** color **image**
Author: Drew, Mark S.
Corporate Source: Simon Fraser Univ, Vancouver, BC, Can
Source: CVGIP: Image Understanding v 59 n 3 May 1994. p 320-327
Publication Year: 1994
CODEN: CIUNEJ ISSN: 1049-9660

Language: English

Title: Robust specularity detection from a single multi **-illuminant** color **image**

...Abstract: answer this question and also recover surface orientation in non-specular regions using only a **single color** image of the surface taken under a set of illuminants whose positions, strengths, and spectral ...

...measured RGB color. Linearity means that the Gaussian sphere is transformed into an ellipsoid in **color space** , and **one** can solve for the ellipsoid using least squares; surface normals are recovered only up to ...
...the underlying color ellipsoid, then a robust method can still find that surface in RGB **space** . Here a least-median-of-squares method is used to recover shape and detect specularities...

Identifiers: Robust specularity detection; **Single multi** -illuminant **color** image; **Color** shading; Lambertian models; Gaussian sphere; Shape from color algorithm

23/3,K/46 (Item 13 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

02327911 E.I. Monthly No: EI8711112424
Title: DIGITAL COLOR IMAGE ENHANCEMENT BASED ON THE SATURATION COMPONENT.
Author: Strickland, Robin N.; Kim, Cheol-Sung; McDonnell, William F.
Corporate Source: Univ of Arizona, Tucson, AZ, USA
Source: Optical Engineering v 26 n 7 Jul 1987 p 609-616
Publication Year: 1987
CODEN: OPEGAR ISSN: 0091-3286
Language: ENGLISH

Abstract: Much of the work done in digital image processing has been limited in application to **black** -and- **white** images, this being especially true of enhancement and restoration. The extension to color image processing is not trivial; a suitable color **space** must be selected for a given application, and then a good processing strategy must be devised. **Many color** image processing strategies require that only a luminance component be actually processed. In image restoration...

23/3,K/52 (Item 4 from file: 34)
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

07970762 Genuine Article#: 230TJ No. References: 29
Title: A novel vector-based approach to color image retrieval using a vector angular-based distance measure
Author(s): Androutsos D (REPRINT) ; Plataniotis KN; Venetsanopoulos AN
Corporate Source: UNIV TORONTO,DEPT ELECT & COMP ENGN, DIGITAL SIGNAL & IMAGE PROC LAB, 100 COLL ST/TORONTO/ON M5S 3G4/CANADA/ (REPRINT); RYERSON POLYTECH UNIV,SCH COMP SCI/TORONTO/ON M5B 2K3/CANADA/
Journal: COMPUTER VISION AND IMAGE UNDERSTANDING, 1999, V75, N1-2 (JUL-AUG) , P46-58
ISSN: 1077-3142 Publication date: 19990700
Publisher: ACADEMIC PRESS INC, 525 B ST, STE 1900, SAN DIEGO, CA 92101-4495
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

...Abstract: nonlinearity, call for improved methods. We present a new scheme which implements a recursive HSV- **space** segmentation technique to identify perceptually prominent color areas. The average color vector of these extracted...

...system provides accurate retrieval results and high retrieval rate. It allows for queries based on **single** or **multiple** **colors** and, in addition, it allows for certain colors to be excluded in the query. This flexibility is due to our distance measure and the multidimensional query **space** in which the retrieval ranking of the database images is determined. Furthermore, our scheme proves...

23/3,K/57 **(Item 9 from file: 34)**
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

03191812 Genuine Article#: NL762 No. References: 24
Title: ROBUST SPECULARITY DETECTION FROM A SINGLE MULTI **-ILLUMINANT** COLOR **IMAGE**
Author(s): DREW MS
Corporate Source: SIMON FRASER UNIV,SCH COMP SCI/BURNABY V5A 1S6/BC/CANADA/
Journal: CVGIP-IMAGE UNDERSTANDING, 1994, V59, N3 (MAY), P320-327
ISSN: 1049-9660
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

Title: ROBUST SPECULARITY DETECTION FROM A SINGLE MULTI **-ILLUMINANT** COLOR **IMAGE**
...Abstract: answer this question and also recover surface orientation in non-specular regions using only a **single** **color** image of the surface taken under a set of illuminants whose positions, strengths, and spectral...

...measured RGB color. Linearity means that the Gaussian sphere is transformed into an ellipsoid in **color** **space** , and **one** can solve for the ellipsoid using least squares; surface normals are recovered only up to...
...the underlying color ellipsoid, then a robust method can still find that surface in RGB **space** . Here a least-median-of-squares method is used to recover shape and detect specularities...

23/3,K/70 **(Item 7 from file: 94)**
DIALOG(R)File 94:JICST-EPlus

03166676 JICST ACCESSION NUMBER: 97A0239084 FILE SEGMENT: JICST-E
Trends and problems on the multi **-media** color **reproduction.**
KODERA HIROTERU (1)
(1) Chiba Univ.
Shomei Gakkaishi(Journal of the Illuminating Engineering Institute of Japan), 1997, VOL.81,NO.1, PAGE.39
JOURNAL NUMBER: G0205ABA ISSN NO: 0019-2341
UNIVERSAL DECIMAL CLASSIFICATION: 535.6 628.9
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Commentary
MEDIA TYPE: Printed Publication

Trends and problems on the multi **-media** color **reproduction.**

...ABSTRACT: displays, global color standards is desired. ICC plays a central role to set the standard **space** and to develop color management (CMS) technology for color information exchange among different media. The difference in color gamut of the display and the printer is **one** of the **color** reproduction problems in different media and a color gamut mapping method to adjust the show...
...DESCRIPTORS: color **space** ;

23/3,K/72 (Item 9 from file: 94)
DIALOG(R)File 94:JICST-EPlus

03153132 JICST ACCESSION NUMBER: 96A0740128 FILE SEGMENT: JICST-E
Categorical Color-Name Regions of A Color Spacein Aperture and Surface Color Modes.
UCHIKAWA K (1); KURIKI I (1); SHINODA H (2)
(1) Tokyo Inst. Technol., Yokohama, JPN; (2) Ritsumeikan Univ.
J Light Vis Environ, 1996, VOL.20,NO.1, PAGE.26-35, FIG.7, REF.15
JOURNAL NUMBER: S0965AAU ISSN NO: 0387-8805
UNIVERSAL DECIMAL CLASSIFICATION: 628.9 535.6
LANGUAGE: English COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

...ABSTRACT: object. Although there are a million of colors around us we do not use so **many** **colors** , but categorize different **colors** into **several** **color** names. Eleven **color** names; red, green, yellow, blue, brown, orange, purple, pink, **white** , **black** and gray, have been qualified as basic color categories, that are used consistently among observers and occasions. In this study we measured categorical regions in a color **space** determined with a categorical color naming method using these 11 basic color names. Two color...
DESCRIPTORS: color **space** ;

23/3,K/74 (Item 11 from file: 94)
DIALOG(R)File 94:JICST-EPlus

01795816 JICST ACCESSION NUMBER: 93A0636246 FILE SEGMENT: JICST-E
Categorical Color-Name Regions of A Color Space **in Aperture and Surface Color Modes.**
UCHIKAWA KEIJI (1); KURIKI ICHIRO (1); SHINODA HIROYUKI (2)
(1) Tokyo Inst. of Technology; (2) Kyoto Univ., Faculty of Engineering
Shomei Gakkaishi(Journal of the Illuminating Engineering Institute of Japan), 1993, VOL.77,NO.6, PAGE.346-354, FIG.7, REF.15
JOURNAL NUMBER: G0205ABA ISSN NO: 0019-2341
UNIVERSAL DECIMAL CLASSIFICATION: 535.6
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

Categorical Color-Name Regions of A Color Space **in Aperture and Surface Color Modes.**
...ABSTRACT: object. Although there are a million of colors around us we do not use so **many** **colors** , but categorize defferent **colors** into **several** **color** names. Eleven **color** names; red, green, yellow, blue,

brown, orange, purple, pink, **white** , **black** and gray, have been qualified as basic color categories, that are used consistently among observers and occasions. In this study we measured categorical regions in a color **space** determined with a categorical color naming method using these 11 besic color names. Two color...
...DESCRIPTORS: color **space** ;

23/3,K/75 (Item 12 from file: 94)
DIALOG(R)File 94:JICST-EPlus

01743189 JICST ACCESSION NUMBER: 93A0299044 FILE SEGMENT: JICST-E
The Color Space **for** Multi **-Bender Communication.**
SUGIURA SUSUMU (1); USAMI AKIHIRO (2)
(1) Kiyanon Gazogikaise; (2) Canon Inc.
Gazo Denshi Gakkaishi(Journal of the Institute of Image Electronics Engineers of Japan), 1993, VOL.22,NO.1, PAGE.11-19, FIG.15, TBL.3, REF.9
JOURNAL NUMBER: S0815AAG ISSN NO: 0285-9831
UNIVERSAL DECIMAL CLASSIFICATION: 621.397+654.197
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

The Color Space **for** Multi **-Bender Communication.**
ABSTRACT: We have already reported the paper titled as "The Comparison of Color **Space** for Color Communication" in oder to compare the color gamut between device independent **color space** and dependent **one** . We showed the result of visualization of each color **space** and pointed out that NTSC-RGB color **space** is not fully satisfied as the standard color **space** for color communication because, device dependent color gamut such as the one printed by electrophotographic printing method exceeded over the NTSC-RGB gamut. Therefore, we want to propose the new **color space** suited for **multi** -bender **color** communication. Basic idea of the new color **space** is based on the Ives-Abney-Yule compromise. We added the more detail discussion on this paper and improved it more suitable **color space** for **multi** -bender **color** communication. (author abst.)
...DESCRIPTORS: color **space** ;

23/3,K/82 (Item 3 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management

00795291 I94066288259
Robust specularity detection from a single multi **-illuminant** color **image**
(Robuster Nachweis spiegelnder Objekte aus einem einzelnen mehrfach beleuchteten Farbbild)
Drew, MS
Sch. of Comput. Sci., Simon Fraser Univ., Burnaby, BC, Canada
CVGIP, Image Understanding, v59, n3, pp320-327, 1994
Document type: journal article Language: English
Record type: Abstract
ISSN: 1049-9660

Robust specularity detection from a single multi **-illuminant** color

image

ABSTRACT:
...answer this question and also recover surface orientation in non-specular regions using only a **single color** image of the surface taken under a set of illuminants whose positions, strengths, and spectral
...
...measured RGB color. Linearity means that the Gaussian sphere is transformed into an ellipsoid in **color space** , and **one** can solve for the ellipsoid using least squares; surface normals are recovered only up to
...

...the underlying color ellipsoid, then a robust method can still find that surface in RGB **space** . A least-median-of-squares method is used to recover shape and detect specularities at...
IDENTIFIERS: LINEAR MODEL; ROBUST SPECULARITY DETECTION; **SINGLE MULTI** ILLUMINANT **COLOR** IMAGE; **COLOR** SHADING; SURFACE ORIENTATION; NON SPECULAR REGIONS; **SINGLE COLOR** IMAGE; ILLUMINANTS; SPECTRAL CONTENT; SHAPE FROM COLOR METHOD; LAMBERTIAN MODEL; REFLECTANCE MODEL; SURFACE NORMAL; MEASURED RGB COLOR; GAUSSIAN SPHERE; COLOR **SPACE** ; SURFACE NORMALS ; ORTHOGONAL TRANSFORMATION; COLOR ELLIPSOID; LEAST MEDIAN OF SQUARES METHOD; Farbbildanalyse; Merkmalerkennung

23/3,K/83 (Item 1 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

2549898 H.W. WILSON RECORD NUMBER: BAST00051549
Color from shape from color: a simple formalism with known light sources
Drew, Mark S; Brill, Michael H
Journal of the Optical Society of America. A, Optics, Image Science, and Vision v. 17 no8 (Aug. 2000) p. 1371-81
DOCUMENT TYPE: Feature Article ISSN: 1084-7529

...ABSTRACT: taken under illumination from different directions. At best, one may dispense with the need for **multiple** images by using **colored** lights tuned to camera filters. But a less restrictive paradigm is available that uses the orientation-from- **color** approach, wherein **multiple** broadband illuminants impinge on a surface simultaneously. In that method, colors for a Lambertian surface lie on an ellipsoid in color **space** . The method has been applied mainly to **single - color** objects, with ellipsoid quadratic-form parameters determined from a large number of pixels. However, recently...

...color model can often be made to hold more exactly by transforming the co]or **space** into one corresponding to spectrally sharpened sensors, which are a matrix transform away from the...

23/3,K/84 (Item 2 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

1168287 H.W. WILSON RECORD NUMBER: BAST94036883
Robust specularity detection from a single multi **-illuminant** color **image**
Drew, Mark S;
CVGIP: Image Understanding v. 59 (May '94) p. 320-7
DOCUMENT TYPE: Feature Article ISSN: 1049-9660

Robust specularity detection from a single multi **-illuminant** color **image**

...ABSTRACT: green/blue color. Linearity means that the Gaussian sphere is transformed into an ellipsoid in **color space** . In addition, **one** can solve for the ellipsoid using least squares. The proposed model can recover surface normals...

...and invertibility. It can also recover surface orientation in non-specular regions using only a **single color** image of the surface taken under a set of illuminants whose positions, strengths, and spectral ...

23/3,K/88 (Item 4 from file: 144)
DIALOG(R)File 144:Pascal

14711412 PASCAL No.: 00-0386885
Artistic Halftoning: Between technology and art
Color imaging : device-independent color, color hardcopy, and graphic arts V : San Jose CA, 25-28 January 2000
OSTROMOUKHOV V
ESCHBACH Reiner, ed; MARCU Gabriel G, ed
MIT Computer Graphics Group, Unknown
International Society for Optical Engineering, Bellingham WA, United States
Color imaging. Conference, 5 (San Jose CA USA) 2000-01-25
Journal: SPIE proceedings series, 2000, 3963 489-509
Language: English

...and cultural elements related to the content of the reproduced images. Artistic Screening is basically **black** -and- **white** technique. Multicolor and Artistic Dithering, presented at SIGGRAPH99, extends it to **multiple colors** . This technique permits to print with non-standard colors such as opaque or semi-opaque...
... art of building appropriate threshold structures. We illustrate the introduced technique by a set of **black / white** engravings, showing different features such as engraving-specific image enhancements, mixing different regular engraving lines...

English Descriptors: Color **space** ; Screening; Printing; Color; Screen; Art ; Half tone image; Half tone screen; Ink; Gray scale; Timbre...

23/3,K/98 (Item 14 from file: 144)
DIALOG(R)File 144:Pascal

11454525 PASCAL No.: 94-0289264
Simple and multiple color **antisymmetry** space **groups**
JABLAN S V; PALISTRANT A F; WESTER D W trad
Moldava state univ., Russian Federation
Journal: Crystallography reports, 1993, 38 (2) 137-141
Language: English

Simple and multiple color **antisymmetry** space **groups**

... a different type of color antisymmetry are presented. The complete derivation of the resulting minor **space** groups of both simple and **multiple** **color** antisymmetry is reviewed for all nontrivial assignments to points in a three-dimensional Euclid **space** colored by p **colors** of **one** or **several** signs + or - ...

English Descriptors: Theoretical study; **Space** groups; Symmetry groups; Euclidean **space**

23/3,K/103 (Item 3 from file: 248)
DIALOG(R)File 248:PIRA

00477510 Pira Acc. Num.: 40012914
Title: Method for Performing a Color Space **Transformation**
Authors: Delean B
Patent Assignee: Live Picture Inc
Patent Number: WO 96 00411 Patent Date: 960104
Application number: US 07806 Application Date: 940624
Publication Year: 1996
Document Type: Patent
Language: English

Title: Method for Performing a Color Space **Transformation**
...Abstract: of EP766844 (970409). In a method for transforming a first image defined by a first **multi** -dimensional **colour** **space** (RGB) into a second image defined by a second **multi** -dimensional **colour** **space** (CMYK) the transformation is computed using information derived from a previous transformation of the second...

... image editing system can display on a video monitor an image that is defined in **one** dimensional **colour** **space** (RGB), print using a printer that prints images using a second **multi** -dimensional **colour** space (CMYK) and edit using either (RGB) or (CMYK) colour spaces.

23/3,K/104 (Item 4 from file: 248)
DIALOG(R)File 248:PIRA

00453659 Pira Acc. Num.: 20057478
Title: Color management. How to develop a prepress solution to achieve predictable color using open architecture systems
Authors: Chop K W
Source: Flexo vol. 21, no. 5, May 1996, pp 90, 92-93
ISSN: 0734-6980
Publication Year: 1996
Document Type: Journal Article
Language: English

...Abstract: description language, introduced open architecture. This replaced the rigidity of proprietary systems, tying users to **one** vendor; their **colour** output was predictable. With open systems, device connectivity creates **many** problems, particularly **colour** management. Colour predictability is often lost. All devices and software use their own device-dependent colour **space** , RGB, LCH, CMYK, and others. Devices must be calibrated under controlled lighting, and a colour **space** appropriate to the computer's operating system and graphics software chosen. Device profiles are installed...

27/3,K/1 (Item 1 from file: 248)
DIALOG(R)File 248:PIRA

00109645 Pira Acc. Num.: 5321775 Pira Abstract Numbers: 02-83-02078
Title: NEW QUALITY-CONTROL TOOL : RIT-GIROUX/MORTENSEN SCREEN -ANGLE SELECTOR
Authors: Anon
Source: Dual Control Scanner vol. 3, no 5, 1983, p. 3
Publication Year: 1983
Document Type: Journal Article
Language: English

Title: NEW QUALITY-CONTROL TOOL : RIT-GIROUX/MORTENSEN SCREEN -ANGLE SELECTOR
...Abstract: Selector, developed at the Rochester Institute of Technology, simplifies the process of assembling films for **multi - coloured** images by enabling strippers to accurately angle screen tints and determine the screen angles of...
...Descriptors: **MULTI - COLOURED** ;
?

29/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

7703354 INSPEC Abstract Number: B2003-09-6135-122, C2003-09-5260B-152
Title: Speed v. accuracy for high resolution colour texture classification
Author(s): Monadjemi, A.; Thomas, B.T.; Mirmehdi, M.
Author Affiliation: Dept. of Comput. Sci., Bristol Univ., UK
Conference Title: Electronic Proceedings of the 13th British Machine Vision Conference p.274-83
Publisher: British Machine Vision Assoc, Manchester, UK
Publication Date: 2002 Country of Publication: UK CD-ROM pp.
ISBN: 1 901725 20 0 Material Identity Number: XX-2002-02183
Conference Title: BMVC2002: British Machine Vision Conference 2002
Conference Date: 2-5 Sept. 2002 Conference Location: Cardiff, UK
Language: English
Subfile: B C

Title: Speed v. accuracy for high resolution colour texture classification
...Abstract: and classifying textures in high resolution colour images are presented. The proposed features are directional **texture** features obtained from the convolution of the Walsh-Hadamard transform with different orientations of **texture** patches from high resolution images, as well as simple chromatic features that **correspond** to **hue** and **saturation** in the HLS colour **space** . We compare the performance of these new features against Gabor transform features combined with HLS and Lab **colour space** features. **Multiple** classifiers are employed to combine both textural and chromatic features for better classification performance. We...
Identifiers: high resolution colour **texture** classification...

...directional **texture** features...

...HLS colour **space** ; ...

...Lab colour **space** features
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